



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 110<sup>th</sup> Ave NE., P.O. BOX 90012  
BELLEVUE, WA 98009-9012

### **OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS**

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 20-114546-GJ

Project Name/Address: Chandler Hazardous Tree Removal/ 16727 SE 48th Place

Planner: Drew Folsom

Phone Number: 425-452-4441

**Minimum Comment Period:** November 5th, 2020

Materials included in this Notice:

- ☒ Blue Bulletin
- ☒ Checklist
- ☒ Vicinity Map
- ☒ ☐ ☐ ☐ Plans
- ☐ ☐ ☐ Other:

#### **OTHERS TO RECEIVE THIS DOCUMENT:**

- ☒ State Department of Fish and Wildlife / [Sterwart.Reinbold@dfw.gov](mailto:Sterwart.Reinbold@dfw.gov); [Christa.Heller@dfw.wa.gov](mailto:Christa.Heller@dfw.wa.gov);
- ☒ State Department of Ecology, Shoreline Planner N.W. Region / [Jobu461@ecy.wa.gov](mailto:Jobu461@ecy.wa.gov); [sepaunit@ecy.wa.gov](mailto:sepaunit@ecy.wa.gov)
- ☒ Army Corps of Engineers [Susan.M.Powell@nws02.usace.army.mil](mailto:Susan.M.Powell@nws02.usace.army.mil)
- ☒ Attorney General [ecyolyef@atg.wa.gov](mailto:ecyolyef@atg.wa.gov)
- ☒ Muckleshoot Indian Tribe [Karen.Walter@muckleshoot.nsn.us](mailto:Karen.Walter@muckleshoot.nsn.us); [Fisheries.fileroom@muckleshoot.nsn.us](mailto:Fisheries.fileroom@muckleshoot.nsn.us)



# SEPA Environmental Checklist

The City of Bellevue uses this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

## Instructions

The checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully and to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions.

You may respond with "Not Applicable" or "Does Not Apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies and reports. Please make complete and accurate answers to these questions to the best of your ability in order to avoid delays. For assistance, see [SEPA Checklist Guidance](#) on the Washington State Department of Ecology website.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The city may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

## Background

1. Name of proposed project, if applicable \_\_\_\_\_
2. Name of applicant \_\_\_\_\_
3. Contact person \_\_\_\_\_ Phone \_\_\_\_\_
4. Contact person address \_\_\_\_\_
5. Date this checklist was prepared \_\_\_\_\_
6. Agency requesting the checklist \_\_\_\_\_

D.Folsom 10/21

7. Proposed timing or schedule (including phasing, if applicable)

8. Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? If yes, explain.

9. List any environmental information you know about that has been prepared or will be prepared, that is directly related to this proposal.

10. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

11. List any government approvals or permits that will be needed for your proposal, if known.

12. Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

13. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, **if any, and the section, township and range**, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). **Provide a legal description, site plan, vicinity map and topographic map, if reasonably available.** While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

## Environmental Elements

### Earth

- General description of the site:
  - ☐ Flat
  - ☐ Rolling
  - ☐ Hilly
  - ☐ Steep Slopes
  - ☐ Mountainous
  - ☐ Other \_\_\_\_\_
- What is the steepest slope on the site (approximate percent slope)? \_\_\_\_\_

D.Folsom 10/21



3. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

4. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

5. Describe the purpose, type, total area and approximate quantities and total affected area of any filling, excavation and grading proposed. Indicate the source of the fill.

6. Could erosion occur as a result of clearing, construction or use? If so, generally describe.

7. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? \_\_\_\_\_

8. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

## Air

1. What types of emissions to the air would result from the proposal during construction, operation and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

2. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

3. Proposed measures to reduce or control emissions or other impacts to air, if any.

## Water

### 1. Surface Water

- a. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

- b. Will the project require any work over, in or adjacent to (within 200 feet) the described waters? **If yes, please describe and attach available plans.**

- c. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of the fill material.

- d. Will the proposal require surface water withdrawals or diversions? Give a general description, purpose and approximate quantities, if known.

- e. Does the proposal lie within a 100-year floodplain? \_\_\_\_\_  
If so, note the location on the site plan.

D.Folsom 10/21

- f. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

2. Ground Water

- a. Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

- b. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

3. Water Runoff (including stormwater)

- a. Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

- b. Could waste materials enter ground or surface waters? If so, generally describe.

- c. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

Indicate any proposed measures to reduce or control surface, ground and runoff water, and drainage pattern impacts, if any.

D.Folsom 10/21

## Plants

1. Check the types of vegetation found on the site:

- ☐ deciduous tree: alder, maple, aspen, other \_\_\_\_\_
- ☐ evergreen tree: fir, cedar, pine, other \_\_\_\_\_
- ☐ shrubs
- ☐ grass
- ☐ pasture
- ☐ crop or grain
- ☐ orchards, vineyards or other permanent crops
- ☐ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other \_\_\_\_\_
- ☐ water plants: water lily eelgrass, milfoil, other \_\_\_\_\_
- ☐ other types of vegetation \_\_\_\_\_

2. What kind and amount of vegetation will be removed or altered?

3. List any threatened and endangered species known to be on or near the site.

4. Proposed landscaping, use of native plants or other measures to preserve or enhance vegetation on the site, if any.

5. List all noxious weeds and invasive species known to be on or near the site.

### Animals

1. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: ☐hawk, ☐heron, ☐eagle, ☐songbirds, ☐other \_\_\_\_\_

Mammals: ☐deer, ☐bear, ☐elk, ☐beaver, ☐other \_\_\_\_\_

Fish: ☐bass, ☐salmon, ☐trout, ☐herring, ☐shellfish, ☐other \_\_\_\_\_

2. List any threatened and endangered species known to be on or near the site.

3. Is the site part of a migration route? If so, explain.

4. Proposed measures to preserve or enhance wildlife, if any.

D.Folsom 10/21

5. List any invasive animal species known to be on or near the site.

### Energy and Natural Resources

1. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

2. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

3. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

D.Folsom 10/21



## Environmental Health

1. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill or hazardous waste, that could occur as a result of this proposal? If so, describe.

- a. Describe any known or possible contamination at the site from present or past uses.

- b. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

- c. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

D.Folsom 10/21

- d. Describe special emergency services that might be required.

- e. Proposed measures to reduce or control environmental health hazards, if any.

2. Noise

- a. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

- b. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)?  
Indicate what hours noise would come from the site.

- c. Proposed measures to reduce or control noise impacts, if any.

## Land and Shoreline Uses

1. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

2. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to non-farm or non-forest use?

- a. Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling and harvesting? If so, how?

3. Describe any structures on the site.

4. Will any structures be demolished? If so, what?

5. What is the current zoning classification of the site? \_\_\_\_\_

6. What is the current comprehensive plan designation of the site? \_\_\_\_\_

7. If applicable, what is the current shoreline master program designation of the site?

8. Has any part of the site been classified as a critical area by the city or county? If so, specify.

9. Approximately how many people would reside or work in the completed project? \_\_\_\_\_

10. Approximately how many people would the completed project displace? \_\_\_\_\_

11. Proposed measures to avoid or reduce displacement impacts, if any.

12. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

13. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any.

## Housing

1. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

2. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

3. Proposed measures to reduce or control housing impacts, if any.

## Aesthetics

1. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

2. What views in the immediate vicinity would be altered or obstructed?

D.Folsom 10/21

3. Proposed measures to reduce or control aesthetic impacts, if any

### Light and Glare

1. What type of light or glare will the proposal produce? What time of day would it mainly occur?

2. Could light or glare from the finished project be a safety hazard or interfere with views?

3. What existing off-site sources of light or glare may affect your proposal?

4. Proposed measures to reduce or control light and glare impacts, if any.

### Recreation

1. What designated and informal recreational opportunities are in the immediate vicinity?

2. Would the proposed project displace any existing recreational uses? If so, describe.

3. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any.

### Historic and Cultural Preservation

1. Are there any buildings, structures or sites located on or near the site that are over 45 years old listed in or eligible for listing in national, state or local preservation registers located on or near the site? If so, specifically describe.

2. Are there any landmarks, features or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

3. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

4. Proposed measures to avoid, minimize or compensate for loss, changes to and disturbance to resources. Please include plans for the above and any permits that may be required.

## Transportation

1. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

2. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

3. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

4. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).



5. Will the project or proposal use (or occur in the immediate vicinity of) water, rail or air transportation? If so, generally describe.

6. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

7. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

8. Proposed measures to reduce or control transportation impacts, if any.

## Public Service

1. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

2. Proposed measures to reduce or control direct impacts on public services, if any.

## Utilities

1. Check the utilities currently available at the site:

- ☐ Electricity
- ☐ natural gas
- ☐ water
- ☐ refuse service
- ☐ telephone
- ☐ sanitary sewer
- ☐ septic system
- ☐ other

2. Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity which might be needed.

D.Folsom 10/21

## Signature

*The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.*

Signature \_\_\_\_\_

Name of signee \_\_\_\_\_

Position and Agency/Organization \_\_\_\_\_

Date Submitted \_\_\_\_\_

D.Folsom 10/21



# Non-project Action SEPA Checklist

## *Supplement to Environmental Checklist*

These questions pertain to land use actions that do not involve building and construction projects, but rather pertain to policy changes, such as code amendments and rezone actions.

Because the questions are very general, it may be helpful to read them in conjunction with the Environmental Checklist. When answering these questions, be aware of the extent to which the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented.

Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Indicate proposed measures to avoid or reduce such increases.

2. How would the proposal be likely to affect plants, animals, fish or marine life?

Indicate proposed measures to protect or conserve plants, animals, fish or marine life.

3. How would the proposal be likely to deplete energy or natural resources?

Indicate proposed measures to protect or conserve energy and natural resources.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains or prime farmlands?

Indicate proposed measures to protect such resources or to avoid or reduce impacts.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Indicate proposed measures to avoid or reduce shoreline and land use impacts.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Indicate proposed measures to reduce or respond to such demand(s).

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

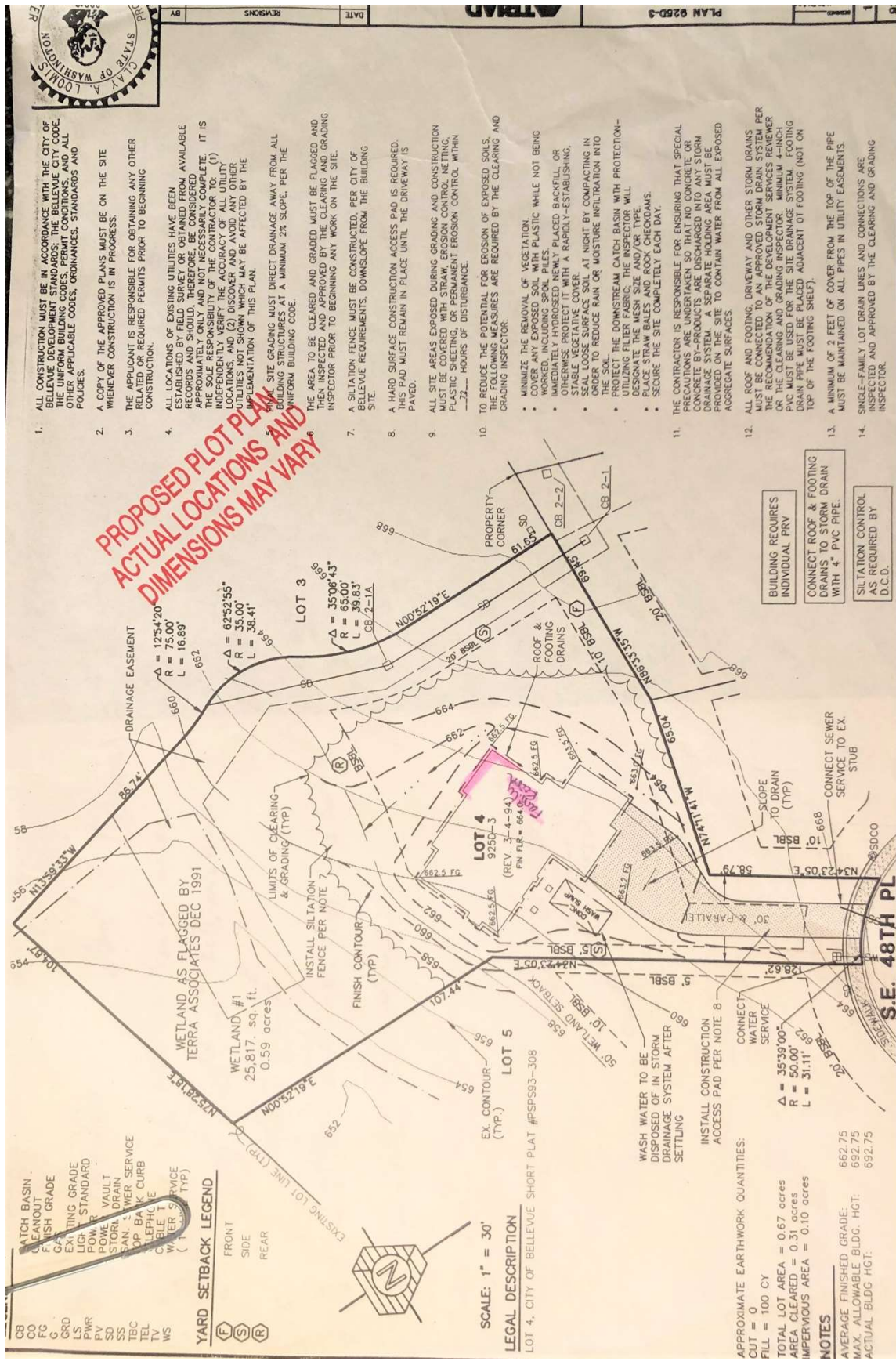
# Vicinity Map

## 16727 SE 48<sup>th</sup> Place



Original site plan is below





1. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH THE CITY OF BELLEVUE DEVELOPMENT STANDARDS AND SPECIFICATIONS, THE CITY OF BELLEVUE BUILDING CODES, PERMIT CONDITIONS, AND ALL OTHER APPLICABLE CODES, ORDINANCES, STANDARDS AND POLICIES.
2. A COPY OF THE APPROVED PLANS MUST BE ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
3. THE APPLICANT IS RESPONSIBLE FOR OBTAINING ANY OTHER RELATED OR REQUIRED PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. ALL LOCATIONS OF EXISTING UTILITIES HAVE BEEN ESTABLISHED BY FIELD SURVEY AND SHOWN ON AVAILABLE RECORDS AND SHOULD, THEREFORE, BE CONSIDERED APPROXIMATELY ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO: (1) LOCATIONS, VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS, (2) LOCATIONS, LOCATIONS, AND AVOID ANY OTHER UTILITIES NOT SHOWN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
5. SITE GRADING MUST DIRECT DRAINAGE AWAY FROM ALL EXISTING BUILDINGS AT A MINIMUM 2% SLOPE PER THE CITY OF BELLEVUE BUILDING CODE.
6. THE AREA TO BE CLEARED AND GRADED MUST BE FLAGGED AND THEN INSPECTED AND APPROVED BY THE CLEARING AND GRADING INSPECTOR PRIOR TO BEGINNING ANY WORK ON THE SITE.
7. A SILTATION FENCE MUST BE CONSTRUCTED, PER CITY OF BELLEVUE REQUIREMENTS, DOWNSLOPE FROM THE BUILDING SITE.
8. A HARD SURFACE CONSTRUCTION ACCESS PAD IS REQUIRED. THIS PAD MUST REMAIN IN PLACE UNTIL THE DRIVEWAY IS PAVED.
9. ALL SITE AREAS EXPOSED DURING GRADING AND CONSTRUCTION MUST BE COVERED WITH EROSION CONTROL MEASURES, PLASTIC SHEETING OR PERMANENT EROSION CONTROL WITHIN 24 HOURS OF DISTURBANCE.
10. TO REDUCE THE POTENTIAL FOR EROSION OF EXPOSED SOILS, EROSION CONTROL MEASURES ARE REQUIRED BY THE CLEARING AND GRADING INSPECTOR:
  - MINIMIZE THE REMOVAL OF VEGETATION.
  - COVER ANY EXPOSED SOIL WITH PLASTIC WHILE NOT BEING USED FOR CONSTRUCTION.
  - IMMEDIATELY RESEED OR COVER WITH PLACED BACKFILL, OR OTHERWISE PROTECT IT WITH A RAPIDLY-ESTABLISHING, STABLE VEGETATIVE COVER.
  - SEAL LOOSE SURFACE SOIL AT NIGHT BY COMPACTING IN ORDER TO REDUCE RAIN OR MOISTURE INFILTRATION INTO THE SOIL.
  - PROTECT THE DOWNSTREAM CATCH BASIN WITH PROTECTION-UTILIZING FILTER FABRIC, THE INSPECTOR WILL DESIGNATE THE MESH SIZE AND/OR TYPE.
  - PLACE STRAW BALES AND ROCK CHECKDAMS.
  - SECURE THE SITE COMPLETELY EACH DAY.
11. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT SPECIAL PRECAUTIONS ARE UNDERTAKEN SO THAT NO CONCRETE OR CONCRETE BY-PRODUCTS ARE DISCHARGED INTO ANY STORM DRAINAGE SYSTEM. A SEPARATE HOLDING AREA MUST BE PROVIDED ON THE SITE TO CONTAIN WATER FROM ALL EXPOSED AGGREGATE SURFACES.
12. ALL ROOF AND FOOTING, DRIVEWAY AND OTHER STORM DRAINS MUST BE CONNECTED TO AN APPROVED STORM DRAIN SYSTEM PER THE CITY OF BELLEVUE BUILDING CODE. MINIMUM 4-INCH OR THE CLEARING AND GRADING INSPECTOR. MINIMUM 4-INCH PVC MUST BE USED FOR THE SITE DRAINAGE SYSTEM. FOOTING DRAIN PIPE MUST BE PLACED ADJACENT TO FOOTING (NOT ON TOP OF THE FOOTING SHELF).
13. A MINIMUM OF 2 FEET OF COVER FROM THE TOP OF THE PIPE MUST BE MAINTAINED ON ALL PIPES IN UTILITY EASEMENTS.
14. SINGLE-FAMILY LOT DRAIN LINES AND CONNECTIONS ARE INSPECTED AND APPROVED BY THE CLEARING AND GRADING INSPECTOR.

**YARD SETBACK LEGEND**

CB	CATCH BASIN
CL	CLEANOUT
FG	FISH GRADE
G	GRASS
GRD	GRADING
LS	LOW STANDARD
PWR	POWER
PV	POWER VAULT
SD	STORM DRAIN
SS	SANITARY SERVICE
TBC	TOP BANK CURB
TEL	TELEPHONE
WS	WATER SERVICE
WS	WATER SERVICE (TYP)

**APPROXIMATE EARTHWORK QUANTITIES:**

CUT	= 0
FILL	= 100 CY
TOTAL LOT AREA	= 0.67 acres
AREA CLEARED	= 0.31 acres
IMPERVIOUS AREA	= 0.10 acres

**NOTES**

AVERAGE FINISHED GRADE:	662.75
MAX. ALLOWABLE BLDG. HGT:	692.75
ACTUAL BLDG. HGT:	692.75

**LEGAL DESCRIPTION**

LOT 4, CITY OF BELLEVUE SHORT PLAT #SP593-308
---

**SCALE: 1" = 30'**

FRONT
SIDE
REAR

**WETLAND AS FLAGGED BY TERRA ASSOCIATES DEC 1991**

WETLAND #1	25,817 sq. ft.
WETLAND #2	0.59 acres

**WETLAND SETBACK**

50' WETLAND SETBACK
---------------------

**WASH WATER TO BE DISPOSED OF IN STORM DRAINAGE SYSTEM AFTER SETTLING**

INSTALL CONSTRUCTION ACCESS PAD PER NOTE 8
--

**CONNECT WATER SERVICE**

CONNECT WATER SERVICE
-----------------------

**CONNECT SEWER SERVICE TO EX. STUB**

CONNECT SEWER SERVICE TO EX. STUB
-----------------------------------

**CONNECT ROOF & FOOTING DRAINS TO STORM DRAIN WITH 4" PVC PIPE.**

CONNECT ROOF & FOOTING DRAINS TO STORM DRAIN WITH 4" PVC PIPE.
--

**SILTATION CONTROL AS REQUIRED BY D.C.D.**

SILTATION CONTROL AS REQUIRED BY D.C.D.
---

**BUILDING REQUIRES INDIVIDUAL PRV**

BUILDING REQUIRES INDIVIDUAL PRV
----------------------------------



1. THE CONT PRECAUT CONCRETE DRAINAGE PROVIDE  
 2. A COPY W/INCH  
 3. THE APP RELATED CONSTR  
 4. ALL LOC ESTABL RECORD APPROX THE SOL INDEPEN UTILITIO IMPLERE  
 5. THE ARE THEN IN INSPECT  
 6. A S/LAT BELLEVU SITE  
 7. A HARD THIS PL PAVED  
 8. ALL SITE MUST BE PLASTIC  
 9. TO REDUC THE FOLL GRADING  
 10. UNL CONE WORK BAKET OTHER STABL SEAL GROE THE PROT UTILIT DESIG PLAC SECU

PROPOSED PLOT PLAN  
 ACTUAL LOCATIONS MAY VARY

WETLAND AS FLAGGED BY TERRA ASSOCIATES DEC. 1991  
 WETLAND #1  
 25,817 SQ. FT.  
 0.59 AC.  
 0.94 AC.

EXISTING LOT LINE (TYP)  
 FRONT  
 SIDE  
 REAR

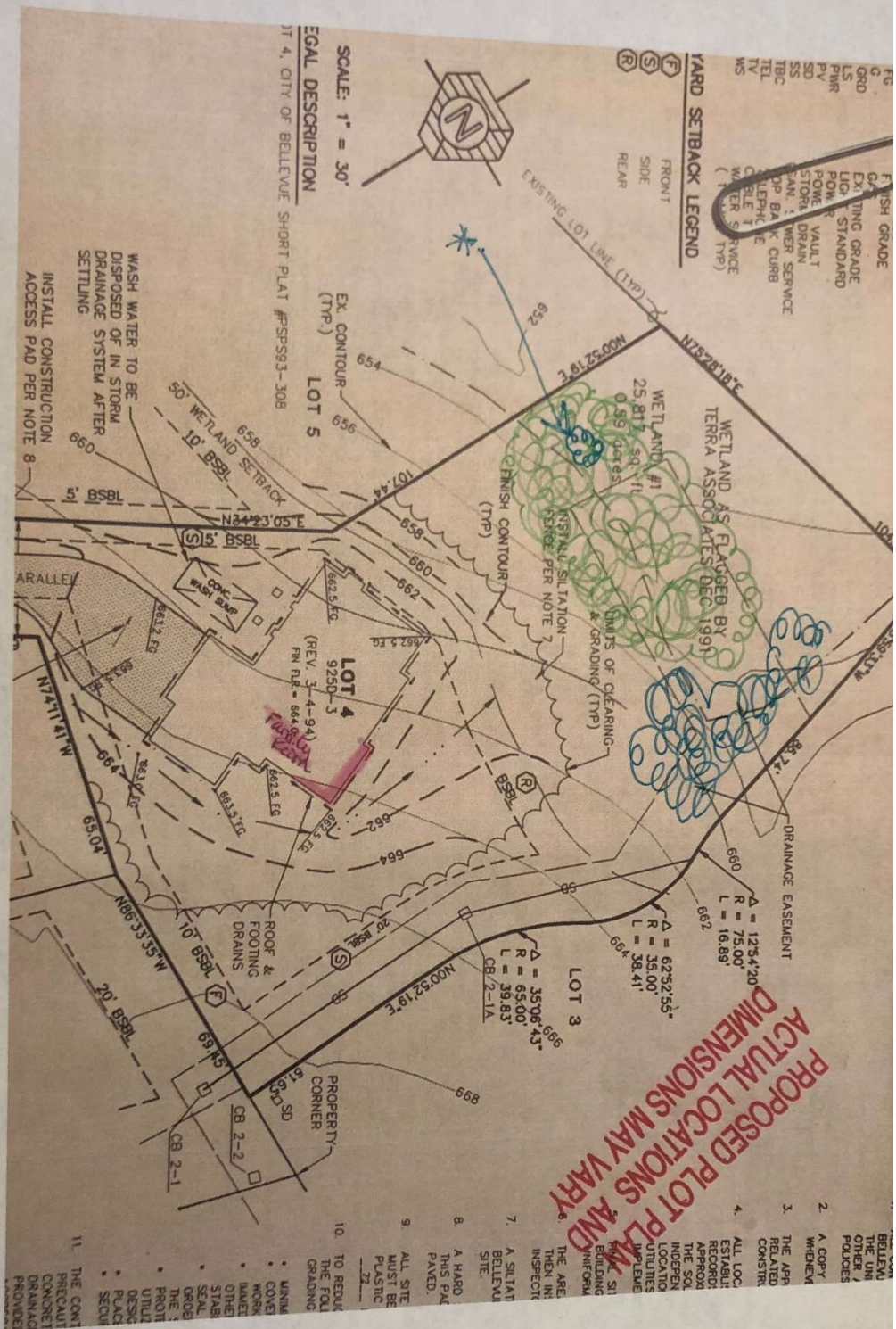
YARD SETBACK LEGEND  
 (1) FRONT YARD (TYP)  
 (2) SIDE YARD (TYP)  
 (3) REAR YARD (TYP)

SCALE: 1" = 30'  
 LEGAL DESCRIPTION  
 LOT 4, CITY OF BELLEVUE SHORT PLAT #SPS93-308

LOT 5  
 EX. CONTOUR (TYP)  
 654  
 656  
 658  
 660  
 662  
 664  
 666  
 668  
 670  
 672  
 674  
 676  
 678  
 680  
 682  
 684  
 686  
 688  
 690  
 692  
 694  
 696  
 698  
 700  
 702  
 704  
 706  
 708  
 710  
 712  
 714  
 716  
 718  
 720  
 722  
 724  
 726  
 728  
 730  
 732  
 734  
 736  
 738  
 740  
 742  
 744  
 746  
 748  
 750  
 752  
 754  
 756  
 758  
 760  
 762  
 764  
 766  
 768  
 770  
 772  
 774  
 776  
 778  
 780  
 782  
 784  
 786  
 788  
 790  
 792  
 794  
 796  
 798  
 800  
 802  
 804  
 806  
 808  
 810  
 812  
 814  
 816  
 818  
 820  
 822  
 824  
 826  
 828  
 830  
 832  
 834  
 836  
 838  
 840  
 842  
 844  
 846  
 848  
 850  
 852  
 854  
 856  
 858  
 860  
 862  
 864  
 866  
 868  
 870  
 872  
 874  
 876  
 878  
 880  
 882  
 884  
 886  
 888  
 890  
 892  
 894  
 896  
 898  
 900  
 902  
 904  
 906  
 908  
 910  
 912  
 914  
 916  
 918  
 920  
 922  
 924  
 926  
 928  
 930  
 932  
 934  
 936  
 938  
 940  
 942  
 944  
 946  
 948  
 950  
 952  
 954  
 956  
 958  
 960  
 962  
 964  
 966  
 968  
 970  
 972  
 974  
 976  
 978  
 980  
 982  
 984  
 986  
 988  
 990  
 992  
 994  
 996  
 998  
 1000

LOT 4  
 EX. CONTOUR (TYP)  
 654  
 656  
 658  
 660  
 662  
 664  
 666  
 668  
 670  
 672  
 674  
 676  
 678  
 680  
 682  
 684  
 686  
 688  
 690  
 692  
 694  
 696  
 698  
 700  
 702  
 704  
 706  
 708  
 710  
 712  
 714  
 716  
 718  
 720  
 722  
 724  
 726  
 728  
 730  
 732  
 734  
 736  
 738  
 740  
 742  
 744  
 746  
 748  
 750  
 752  
 754  
 756  
 758  
 760  
 762  
 764  
 766  
 768  
 770  
 772  
 774  
 776  
 778  
 780  
 782  
 784  
 786  
 788  
 790  
 792  
 794  
 796  
 798  
 800  
 802  
 804  
 806  
 808  
 810  
 812  
 814  
 816  
 818  
 820  
 822  
 824  
 826  
 828  
 830  
 832  
 834  
 836  
 838  
 840  
 842  
 844  
 846  
 848  
 850  
 852  
 854  
 856  
 858  
 860  
 862  
 864  
 866  
 868  
 870  
 872  
 874  
 876  
 878  
 880  
 882  
 884  
 886  
 888  
 890  
 892  
 894  
 896  
 898  
 900  
 902  
 904  
 906  
 908  
 910  
 912  
 914  
 916  
 918  
 920  
 922  
 924  
 926  
 928  
 930  
 932  
 934  
 936  
 938  
 940  
 942  
 944  
 946  
 948  
 950  
 952  
 954  
 956  
 958  
 960  
 962  
 964  
 966  
 968  
 970  
 972  
 974  
 976  
 978  
 980  
 982  
 984  
 986  
 988  
 990  
 992  
 994  
 996  
 998  
 1000

LOT 3  
 EX. CONTOUR (TYP)  
 654  
 656  
 658  
 660  
 662  
 664  
 666  
 668  
 670  
 672  
 674  
 676  
 678  
 680  
 682  
 684  
 686  
 688  
 690  
 692  
 694  
 696  
 698  
 700  
 702  
 704  
 706  
 708  
 710  
 712  
 714  
 716  
 718  
 720  
 722  
 724  
 726  
 728  
 730  
 732  
 734  
 736  
 738  
 740  
 742  
 744  
 746  
 748  
 750  
 752  
 754  
 756  
 758  
 760  
 762  
 764  
 766  
 768  
 770  
 772  
 774  
 776  
 778  
 780  
 782  
 784  
 786  
 788  
 790  
 792  
 794  
 796  
 798  
 800  
 802  
 804  
 806  
 808  
 810  
 812  
 814  
 816  
 818  
 820  
 822  
 824  
 826  
 828  
 830  
 832  
 834  
 836  
 838  
 840  
 842  
 844  
 846  
 848  
 850  
 852  
 854





LEGEND

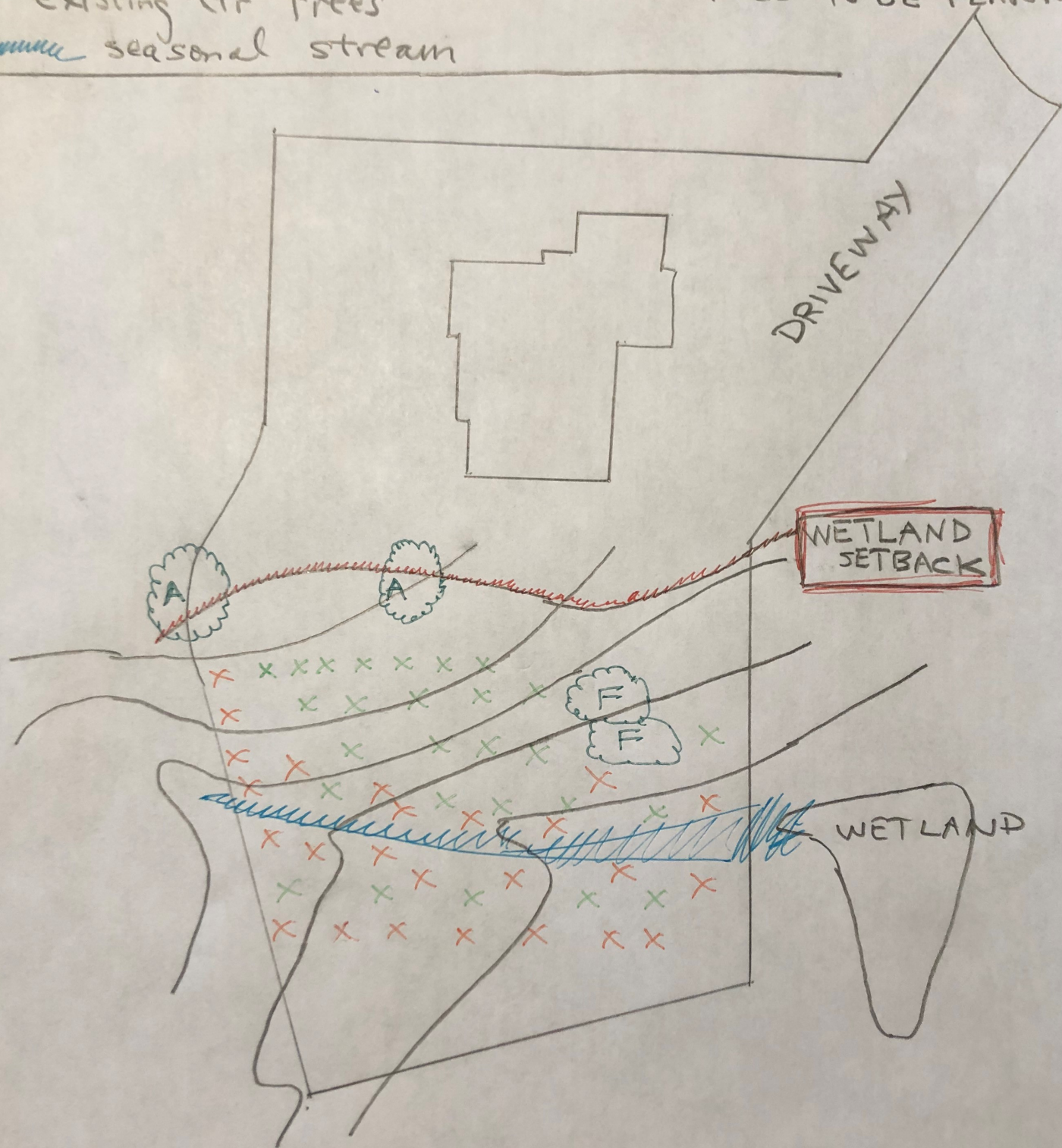
A existing oak trees

F existing fir trees

~~~~~ seasonal stream

✗ OTHER REPLANTINGS

✗ VINE MAPLE TO BE PLANTED



LANDSCAPE

PLAN - CHANDLER  
SEPT 2020

16727 SE 48 PI





## Development Services

# Tree Hazard Declaration

All hazardous trees shall be evaluated by an ISA TRAQ Certified Arborist. Completed copies of the ISA Basic Tree Risk Assessment form(s) shall accompany this form.

Date 8-26-20  
Site Address 16727 SE 48TH PL.  
Property Owner D. CHANDLER  
Address 16727 SE 48TH PL.  
Phone 425-241-5310 Email ddchandler@comcast.net  
Arborist Name SHELLEY TOWERS  
Company Name A GRAD DESIGN ISA PN5802A  
Address 7914 60TH ST SE SPOKANE WA 98298  
Phone 425-923-8375 Email sdtingsno@yahoo.com

Site Information (check all that apply):

Residential ☒ Multifamily/Commercial ☐ Bridle Trails R-1 ☐

Critical Area(s) Present (check all that apply):

Stream ☐ Wetland ☒ Geologic Hazard ☐ Floodplain ☐ Critical Area Buffer ☐

Native Growth Areas, Retained Vegetation, Shoreline (check all that apply):

NGPA ☒ NGPE ☐ RVA ☐ Shoreline ☐ Retained Tree(s) ☐

## Tree Information

| Tree ID  | Species             | DBH           | Reason for Removal | Work Proposed                        |
|----------|---------------------|---------------|--------------------|--------------------------------------|
| <u>1</u> | <u>P. TRICOLORA</u> | <u>5, 10"</u> | <u>HAZARD</u>      | <u>LEAVE SELECT DEBRIS, SNAG 15'</u> |
| <u>2</u> | <u>"</u>            | <u>3, 8"</u>  | <u>"</u>           | <u>"</u>                             |
| <u>3</u> | <u>"</u>            | <u>1, 6"</u>  | <u>"</u>           | <u>"</u>                             |
| <u>4</u> | <u>"</u>            | <u>1, 7"</u>  | <u>"</u>           | <u>"</u>                             |
| <u>5</u> | <u>"</u>            | <u>2, 12"</u> | <u>"</u>           | <u>"</u>                             |
| <u>6</u> | <u>"</u>            | <u>1, 11"</u> | <u>"</u>           | <u>"</u>                             |

| Tree ID | Species       | DBH                | Reason for Removal | Work Proposed                    |
|---------|---------------|--------------------|--------------------|----------------------------------|
| —       | P. TRICOCARPA | 1, 15"             | HAZARD             | LEAVE SELECT DEBRIS, SNAG TO 15' |
| —       | —             | 1, 16"             | "                  | "                                |
| —       | "             | 3, 18"             | "                  | "                                |
| —       | "             | 1, 20"             | "                  | "                                |
| —       | "             | 1, 21"             | "                  | "                                |
| —       | "             | 1, 27"             | "                  | "                                |
| —       | "             | 1, 24"             | "                  | "                                |
| —       | "             | 2, 25"             | "                  | "                                |
| —       | "             | 1, 28"             | "                  | "                                |
| —       | "             | 1, 26"             | "                  | "                                |
| #28     | A. RUBRA      | 10"                | "                  |                                  |
|         |               | <del>28 10x.</del> |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |
|         |               |                    |                    |                                  |



### Critical Areas and Non-Residential Shoreline Conservation Area Requirements

| Criteria                                                                                                                                                                                                                                     | Complies                                                               | Comment                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------|
| Proposed tree work is the minimum necessary to alleviate the safety hazard to the identified target(s).                                                                                                                                      | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |                                                                      |
| Complete removal of the tree(s) will only be considered when habitat snag creation cannot be safely executed.                                                                                                                                | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | SNAG P. TRICOCARPA TO 15'; GIRDLE & ROOT COLLAR TO PREVENT RE-GROWTH |
| All vegetation cut (tree stems, branches, etc.) shall be left within the critical area or buffer unless removal is warranted due to the potential for creating a fire hazard or for disease or pest transmittal to other healthy vegetation. | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |                                                                      |
| The landowner shall replace any trees that are removed pursuant to a restoration plan meeting the requirements of LUC 20.25H.210 and/or LUC 20.25E.060.K.14, whichever is applicable.                                                        | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |                                                                      |
| If a tree to be removed provides critical habitat, such as an eagle perch, a qualified wildlife biologist shall be consulted to determine timing and methods for removal that will minimize impacts.                                         | <input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | NO EVIDENCE                                                          |

### Residential Shoreline Conservation Area Requirements

| Criteria                                                                                                                                       | Complies                                                    | Comment |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
| All trees removed shall be replaced per LUC 20.25E.065.F.13 requirements. Please see approved species list on this form.                       | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |         |
| A landowner may choose to convert a hazard tree proposed for removal to a wildlife snag as an alternative to providing replacement mitigation. | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |         |

# Bridle Trails R-1 Single-Family Zoning Requirements

N/A

| Criteria                                                                                                       | Complies                                                    | Comment |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
| All significant trees within the perimeter area which do not constitute a safety hazard shall be retained.     | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |         |
| At least 25% of the total diameter inches of existing significant trees within the interior shall be retained. | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |         |
| At least 8 significant trees will remain onsite after the proposed work.                                       | <input type="checkbox"/> Yes<br><input type="checkbox"/> No |         |

**Please Note:** If the City of Bellevue does not agree with the Tree Hazard Evaluation provided by your Certified Arborist listed, the City of Bellevue may contract with a third-party consulting arborist to evaluate the relative risk of the tree(s) covered in the hazard evaluation prior to acting on the permit. The applicant may be responsible for the cost of the third-party evaluation.

Signature of Certified Arborist

*[Handwritten Signature]*

Date

9-2-2020



# Chandler Trees

Write a description for your map.

CHANDLER HOME  
16727 SE 48th Pl

#28  
Alder

Trees  
1-21

4853  
167th Ave SE

4856  
167th  
Ave. SE  
10 ft

Legend  
16727 SE 48th Pl

Google Earth

© 2020 Google







# Basic Tree Risk Assessment Form

Client CHANDLER Date 8.25.20 Time 2:00 P  
 Address/Tree location 16724 SE 48TH PL Tree no. 28 Sheet 1 of 2  
 Tree species A. RUBRA dbh 10" Height 30' Crown spread dia. 15'  
 Assessor(s) S. TORDERS Time frame \_\_\_\_\_ Tools used \_\_\_\_\_

## Target Assessment

| Target number | Target description | Target zone             |                       |                         | Occupancy rate<br>1-rare<br>2-occasional<br>3-frequent<br>4-constant | Practical to move target? | Restriction practical? |
|---------------|--------------------|-------------------------|-----------------------|-------------------------|----------------------------------------------------------------------|---------------------------|------------------------|
|               |                    | Target within drip line | Target within 1 x Ht. | Target within 1.5 x Ht. |                                                                      |                           |                        |
| 1             | HOME               |                         |                       | 4                       | 4                                                                    | NO                        | NO                     |
| 2             | LANDSCAPE          |                         | ✓                     |                         | 4                                                                    | NO                        | NO                     |
| 3             |                    |                         |                       |                         |                                                                      |                           |                        |
| 4             |                    |                         |                       |                         |                                                                      |                           |                        |

## Site Factors

History of failures \_\_\_\_\_ Topography Flat ☒ Slope ☐ % Aspect \_\_\_\_\_

Site changes None ☒ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe \_\_\_\_\_

Soil conditions Limited volume ☐ Saturated ☐ Shallow ☐ Compacted ☐ Pavement over roots ☐ % Describe \_\_\_\_\_

Prevailing wind direction SW Common weather Strong winds ☐ Ice ☐ Snow ☐ Heavy rain ☐ Describe Typ. PLEET SOFT

## Tree Health and Species Profile

Vigor Low ☒ Normal ☐ High ☐ Foliage None (seasonal) ☐ None (dead) ☒ Normal \_\_\_\_\_ % Chlorotic \_\_\_\_\_ % Necrotic \_\_\_\_\_ %

Pests \_\_\_\_\_ Abiotic \_\_\_\_\_

Species failure profile Branches ☒ Trunk ☒ Roots ☒ Describe DIEING TREE, IS BREAKS OR TOPPLES

## Load Factors

Wind exposure Protected ☐ Partial ☐ Full ☐ Wind funneling ☒ Relative crown size Small ☒ Medium ☐ Large ☐

Crown density Sparse ☐ Normal ☐ Dense ☐ Interior branches Few ☐ Normal ☐ Dense ☐ Vines/Mistletoe/Moss ☐

Recent or planned change in load factors REMOVAL OF COTONWOODS PLANTED

## Tree Defects and Conditions Affecting the Likelihood of Failure

### — Crown and Branches —

Unbalanced crown ☐ LCR 0 %  
 Dead twigs/branches ☒ 100 % overall Max. dia. \_\_\_\_\_  
 Broken/Hangers Number \_\_\_\_\_ Max. dia. \_\_\_\_\_  
 Over-extended branches ☐  
 Pruning history  
 Crown cleaned ☐ Thinned ☐ Raised ☐  
 Reduced ☐ Topped ☐ Lion-tailed ☐  
 Flush cuts ☐ Other \_\_\_\_\_  
 Cracks ☐ Lightning damage ☐  
 Codominant ☐ Included bark ☐  
 Weak attachments ☐ Cavity/Nest hole \_\_\_\_\_ % circ.  
 Previous branch failures ☐ Similar branches present ☐  
 Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐  
 Conks ☐ Heartwood decay ☐  
 Response growth \_\_\_\_\_

Main concern(s) DIEING TREE

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☒

### — Trunk —

Dead/Missing bark ☒ Abnormal bark texture/color ☐  
 Codominant stems ☐ Included bark ☐ Cracks ☐  
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐  
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐  
 Cavity/Nest hole \_\_\_\_\_ % circ. Depth \_\_\_\_\_ Poor taper ☐  
 Lean \_\_\_\_\_ ° Corrected? \_\_\_\_\_

Response growth None

Main concern(s) DIEING

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒

Likelihood of failure Improbable ☐ Possible ☐ Probable ☐ Imminent ☒

### — Roots and Root Collar —

Collar buried/Not visible ☐ Depth \_\_\_\_\_ Stem girdling ☐  
 Dead ☐ Decay ☐ Conks/Mushrooms ☐  
 Ooze ☐ Cavity ☐ \_\_\_\_\_ % circ.  
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk \_\_\_\_\_  
 Root plate lifting ☐ Soil weakness ☐

Response growth N/A

Main concern(s) BECOMES DECAYED

Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒

Likelihood of failure Improbable ☐ Possible ☐ Probable ☒ Imminent ☐



# Risk Categorization

| Condition number | Tree part | Conditions of concern | Part size | Fall distance | Target number | Target protection | Likelihood |          |          |          |          |     |        |      |                                  |          |        |             | Consequences |       |             |        | Risk rating of part (from Matrix 2) |      |
|------------------|-----------|-----------------------|-----------|---------------|---------------|-------------------|------------|----------|----------|----------|----------|-----|--------|------|----------------------------------|----------|--------|-------------|--------------|-------|-------------|--------|-------------------------------------|------|
|                  |           |                       |           |               |               |                   | Failure    |          |          |          | Impact   |     |        |      | Failure & Impact (from Matrix 1) |          |        |             | Consequences |       |             |        |                                     |      |
|                  |           |                       |           |               |               |                   | Improbable | Possible | Probable | Imminent | Very low | Low | Medium | High | Unlikely                         | Somewhat | Likely | Very likely | Negligible   | Minor | Significant | Severe |                                     |      |
| 1                | TRUNK     | DL                    | 10' 30"   | 30'           | 1             | 0                 |            |          | 1        |          |          |     |        | 1    |                                  | 1        |        |             |              | 1     |             |        |                                     | HIGH |
|                  |           |                       | 10' 30"   | 30'           | 2             | 0                 |            |          |          |          | 1        |     |        |      | 1                                |          | 1      |             |              |       | 1           |        |                                     | HIGH |
|                  |           |                       | 15'       |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |
| 2                | BRANCHES  | DIEING TOP            | 10' 30"   | 30'           |               | 0                 |            |          |          |          |          |     | 1      |      |                                  |          | 1      |             |              |       |             | 1      |                                     | HIGH |
|                  |           |                       | 10' 30"   | 30'           |               | 0                 |            |          |          |          | 1        |     |        |      | 1                                |          |        |             | 1            |       |             | 1      |                                     | HIGH |
|                  |           |                       |           |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |
| 3                | ROOTS     |                       | 10' 30"   | 30'           |               | 0                 |            |          |          |          |          |     | 1      |      | 1                                |          |        |             |              |       |             | 1      |                                     | MOT  |
|                  |           |                       | 10' 30"   | 30'           |               | 0                 |            |          |          |          | 1        |     |        |      | 1                                |          |        |             |              |       | 1           |        | MOT                                 |      |
|                  |           |                       |           |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |
| 4                |           |                       |           |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |
|                  |           |                       |           |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |
|                  |           |                       |           |               |               |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |      |

Matrix 1. Likelihood matrix.

| Likelihood of Failure | Likelihood of Impacting Target |                 |                 |                 |
|-----------------------|--------------------------------|-----------------|-----------------|-----------------|
|                       | Very low                       | Low             | Medium          | High            |
| Imminent              | Unlikely                       | Somewhat likely | Likely          | Very likely     |
| Probable              | Unlikely                       | Unlikely        | Somewhat likely | Likely          |
| Possible              | Unlikely                       | Unlikely        | Unlikely        | Somewhat likely |
| Improbable            | Unlikely                       | Unlikely        | Unlikely        | Unlikely        |

Matrix 2. Risk rating matrix.

| Likelihood of Failure & Impact | Consequences of Failure |          |             |          |
|--------------------------------|-------------------------|----------|-------------|----------|
|                                | Negligible              | Minor    | Significant | Severe   |
| Very likely                    | Low                     | Moderate | High        | Extreme  |
| Likely                         | Low                     | Moderate | High        | High     |
| Somewhat likely                | Low                     | Low      | Moderate    | Moderate |
| Unlikely                       | Low                     | Low      | Low         | Low      |

Notes, explanations, descriptions

BRANCHES  
COULD DAMAGE LANDSCAPE,  
WHOLE TREE FAILURE W/  
SIGNIFICANT DAMAGE IS  
MORE LIKELY

Mitigation options

NONE, REMOVE TREE

Residual risk

Residual risk

Residual risk

Residual risk

Overall tree risk rating

Low ☐ Moderate ☐ High ☒ Extreme ☐

Work priority

1 ☒ 2 ☐ 3 ☐ 4 ☐

Overall residual risk

Low ☐ Moderate ☐ High ☐ Extreme ☐

Recommended inspection interval

Data ☒ Final ☐ Preliminary ☐ Advanced assessment needed ☐ No ☐ Yes-Type/Reason

Inspection limitations ☒ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe





# Basic Tree Risk Assessment Form

Client R. CHANDLER Date 8.25.20 Time 12:00 P  
 Address/Tree location 16727 SE 48TH PL. BELLEVUE Tree no. 1-27 Sheet 1 of 2  
 Tree species P. TRICOCARPA dbh 6-28 Height 80-110 Crown spread dia. 10'-20'  
 Assessor(s) S. TOWER Time frame \_\_\_\_\_ Tools used \_\_\_\_\_

## Target Assessment

| Target number | Target description     | Target zone             |                       |                         | Occupancy rate<br>1-rare<br>2-occasional<br>3-frequent<br>4-constant | Practical to move target? | Restriction practical? |
|---------------|------------------------|-------------------------|-----------------------|-------------------------|----------------------------------------------------------------------|---------------------------|------------------------|
|               |                        | Target within drip line | Target within 1 x Ht. | Target within 1.5 x Ht. |                                                                      |                           |                        |
| 1             | CHANDLER HOME          |                         | /                     |                         | 4                                                                    | NO                        | NO                     |
| 2             | 4856 167TH AVE SE HOME |                         | /                     |                         | 4                                                                    | NO                        | NO                     |
| 3             | 4853 167TH AVE SE HOME |                         | /                     |                         | 4                                                                    | NO                        | NO                     |
| 4             |                        |                         |                       |                         |                                                                      |                           |                        |

## Site Factors

History of failures NO Topography Flat ☒ Slope ☐ % Aspect \_\_\_\_\_  
 Site changes None ☒ Grade change ☐ Site clearing ☐ Changed soil hydrology ☐ Root cuts ☐ Describe \_\_\_\_\_  
 Soil conditions Limited volume ☐ Saturated ☒ Shallow ☐ Compacted ☐ Pavement over roots ☐ % Describe \_\_\_\_\_  
 Prevailing wind direction SW Common weather Strong winds ☒ Ice ☐ Snow ☐ Heavy rain ☐ Describe TYP POCKET SOIL

## Tree Health and Species Profile

Vigor Low ☐ Normal ☒ High ☐ Foliage None (seasonal) ☐ None (dead) ☐ Normal 100 % Chlorotic \_\_\_\_\_ % Necrotic \_\_\_\_\_ %  
 Pests \_\_\_\_\_ Abiotic \_\_\_\_\_

Species failure profile Branches ☒ Trunk ☒ Roots ☒ Describe PROVE TO BREAKAGE, DECAY, WINDTHROW

## Load Factors

Wind exposure Protected ☐ Partial ☐ Full ☐ Wind funneling ☒ Relative crown size Small ☐ Medium ☒ Large ☐  
 Crown density Sparse ☐ Normal ☒ Dense ☐ Interior branches Few ☐ Normal ☒ Dense ☐ Vines/Mistletoe/Moss ☐  
 Recent or planned change in load factors NO

## Tree Defects and Conditions Affecting the Likelihood of Failure

### — Crown and Branches —

Unbalanced crown ☐ LCR 75 % Cracks ☐ Lightning damage ☐  
 Dead twigs/branches ☐ % overall Max. dia. \_\_\_\_\_ Codominant ☐ Included bark ☐  
 Broken/Hangers Number \_\_\_\_\_ Max. dia. \_\_\_\_\_ Weak attachments ☒ Cavity/Nest hole \_\_\_\_\_ % circ.  
 Over-extended branches ☐ Previous branch failures ☒ Similar branches present ☐  
**Pruning history**  
 Crown cleaned ☐ Thinned ☐ Raised ☐ Dead/Missing bark ☐ Cankers/Galls/Burls ☐ Sapwood damage/decay ☐  
 Reduced ☐ Topped ☐ Lion-tailed ☐ Conks ☐ Heartwood decay ☐  
 Flush cuts ☐ Other NONE Response growth \_\_\_\_\_  
 Main concern(s) SPECIES PROFILE + PROXIMITY TO VALUABLE TARGETS  
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒  
 Likelihood of failure Improbable ☐ Possible ☐ Probable ☒ Imminent ☐

### — Trunk —

Dead/Missing bark ☐ Abnormal bark texture/color ☐  
 Codominant stems ☐ Included bark ☐ Cracks ☐  
 Sapwood damage/decay ☐ Cankers/Galls/Burls ☐ Sap ooze ☐  
 Lightning damage ☐ Heartwood decay ☐ Conks/Mushrooms ☐  
 Cavity/Nest hole \_\_\_\_\_ % circ. Depth \_\_\_\_\_ Poor taper ☒  
 Lean \_\_\_\_\_ ° Corrected? \_\_\_\_\_  
 Response growth NONE  
 Main concern(s) SPECIES PROFILE DOMINANT IN CAVITY  
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒  
 Likelihood of failure Improbable ☐ Possible ☒ Probable ☐ Imminent ☐

### — Roots and Root Collar —

Collar buried/Not visible ☐ Depth \_\_\_\_\_ Stem girdling ☐  
 Dead ☐ Decay ☐ Conks/Mushrooms ☐  
 Ooze ☐ Cavity ☐ % circ. \_\_\_\_\_  
 Cracks ☐ Cut/Damaged roots ☐ Distance from trunk \_\_\_\_\_  
 Root plate lifting ☐ Soil weakness ☐  
 Response growth NONE  
 Main concern(s) SATURATED, SHALLOW SOIL  
 Load on defect N/A ☐ Minor ☐ Moderate ☐ Significant ☒  
 Likelihood of failure Improbable ☐ Possible ☒ Probable ☐ Imminent ☐



# Risk Categorization

| Condition number | Tree part | Conditions of concern        | Part size | Fall distance | Target number | Target protection | Likelihood |          |          |          |          |     |        |      |                                  |          |        |             | Consequences |       |             |        | Risk rating of part (from Matrix 2) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------|-----------|------------------------------|-----------|---------------|---------------|-------------------|------------|----------|----------|----------|----------|-----|--------|------|----------------------------------|----------|--------|-------------|--------------|-------|-------------|--------|-------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                  |           |                              |           |               |               |                   | Failure    |          |          |          | Impact   |     |        |      | Failure & Impact (from Matrix 1) |          |        |             | Negligible   | Minor | Significant | Severe |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  |           |                              |           |               |               |                   | Improbable | Possible | Probable | Imminent | Very low | Low | Medium | High | Unlikely                         | Somewhat | Likely | Very likely |              |       |             |        |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                | CROWN     | SPECIES<br>HOLES<br>BRANCHES | 6-12/10   | 1             | 0             |                   |            |          |          |          |          |     |        |      |                                  |          |        |             |              |       |             |        |                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Matrix 1. Likelihood matrix.

| Likelihood of Failure | Likelihood of Impacting Target |                 |                 |                 |
|-----------------------|--------------------------------|-----------------|-----------------|-----------------|
|                       | Very low                       | Low             | Medium          | High            |
| Imminent              | Unlikely                       | Somewhat likely | Likely          | Very likely     |
| Probable              | Unlikely                       | Unlikely        | Somewhat likely | Likely          |
| Possible              | Unlikely                       | Unlikely        | Unlikely        | Somewhat likely |
| Improbable            | Unlikely                       | Unlikely        | Unlikely        | Unlikely        |

Matrix 2. Risk rating matrix.

| Likelihood of Failure & Impact | Consequences of Failure |          |             |          |
|--------------------------------|-------------------------|----------|-------------|----------|
|                                | Negligible              | Minor    | Significant | Severe   |
| Very likely                    | Low                     | Moderate | High        | Extreme  |
| Likely                         | Low                     | Moderate | High        | High     |
| Somewhat likely                | Low                     | Low      | Moderate    | Moderate |
| Unlikely                       | Low                     | Low      | Low         | Low      |

Notes, explanations, descriptions TREES DOMINANT IN CANOPY, SUBJECT TO WIND FUNNELING, 3 VALUABLE TARGETS DAMAGE IS INEVITABLE

Mitigation options WONS REMOVE TREES Residual risk \_\_\_\_\_  
THEY WILL ONLY BECOME MORE HAZARDOUS Residual risk \_\_\_\_\_  
IF LEFT TO GROW LARGER Residual risk \_\_\_\_\_  
 Residual risk \_\_\_\_\_

Overall tree risk rating Low ☐ Moderate ☐ High ☐ Extreme ☐

Overall residual risk Low ☐ Moderate ☐ High ☐ Extreme ☐

Data ☐ Final ☐ Preliminary Advanced assessment needed ☐ No ☐ Yes-Type/Reason \_\_\_\_\_

Inspection limitations ☐ None ☐ Visibility ☐ Access ☐ Vines ☐ Root collar buried Describe \_\_\_\_\_

Work priority 1 ☐ 2 ☐ 3 ☐ 4 ☐

Recommended inspection interval \_\_\_\_\_